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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/649,315	08/28/2000	Joe Gnocato	CREO115948	7251

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OYEN, WIGGS, GREEN & MUTALA
480 - THE STATION
601 WEST CORDOVA STREET
VANCOUVER, BC V6B 1G1
CANADA

EXAMINER

LAMB, TWYLER MARIE

ART UNIT

PAPER NUMBER

2622

DATE MAILED: 01/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/649,315

Applicant(s)

GNOCATO ET AL.

Examiner

Twyler M. Lamb

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on 07 September 2004.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 1-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Shively (US 5857,209) in view of Buis et al. (Buis) (US 6,631,007).

With regard to claim 1, Shively discloses a method for formatting a document having individual pages in preparation for printing the individual pages, on a media sheet (col 3, line 66 – col 4, line 1), the method comprising: storing the individual pages of the document in a data file (col 4, lines 1-7); creating an imposition description file defined by a user (col 4, lines 45-48); creating an imposition plan based on the imposition description file (col 4, lines 45-57); creating an ordered set having multiple positions (col 4, lines 45-57); assigning the individual pages of the document to the positions of the ordered set in a reader order defined by a user (col 4, lines 45-57); and associating the positions in the ordered set of pages to the imposition plan (col 4, lines 58-67), the layout of the individual pages in the imposition plan being arranged for printing on the media sheet (col 5, lines 1-15).

Shively does not specifically teach the imposition plan defining a layout of pages for one or more print sheet, the layout specifying a plurality of page locations on the print sheets.

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Buis discloses a method and a document presentation system that includes the imposition plan defining a layout of pages for one or more print sheet, the layout specifying a plurality of page locations on the print sheets (col 8, line 8 – col 11, line 67).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have modified Shively to include the imposition plan defining a layout of pages for one or more print sheet, the layout specifying a plurality of page locations on the print sheets as taught by Buis. It would have been obvious to one of ordinary skill in the art at the time of the invention to have modified Shively by the teaching of Buis to determine which layout of the pages will fit into a logical page as taught by Buis in col 8, line 8 – col 11, line 67.

With regard to claim 2, Shively also discloses wherein the imposition plan has the same number of page positions as the number of positions in the ordered set (col 7, line 66 – col 8, line 61).

With regard to claim 3, Shively also discloses including creating multiple imposition description files, creating multiple different imposition plans based on the multiple imposition description files, and associating the positions in the ordered set of pages to the multiple imposition plans (col 7, line 66 – col 8, line 61).

With regard to claim 4, Shively also discloses including creating multiple ordered sets each having multiple positions, assigning individual pages to positions of the ordered sets, respectively, each in a reader order defined by a user (col 4, lines 45-57), and associating the positions in the ordered sets to the imposition plan (col 7, line 66 – col 8, line 61).

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With regard to claim 5, Shively discloses a computer system (system 10) including computer readable memory (memory in computer system 18 or any other suitable medium; col 4, lines 1-3); having an imposition description file stored therein (col 4, lines 1-7), the imposition description file containing the individual pages of a document (col 3, line 66 – col 4, line 1) and an imposition for the individual pages to enable printing of the individual pages on media sheets (col 4, lines 45-57), and a computer readable medium having computer executable instructions for formatting a document of the individual pages in preparation for printing the individual pages (col 4, lines 1-7), the computer executable instructions performing the steps comprising: creating an imposition plan based on the imposition description file (col 7, line 66 – col 8, line 61); creating a pageset comprising an ordered set having multiple positions (col 7, line 66 – col 8, line 61); assigning the individual pages to the positions of the pageset in a reader order defined by a user (col 4, lines 45-57); and associating the positions in the pageset with the imposition plan (col 7, line 66 – col 8, line 61).

Shively does not specifically teach the imposition plan defining a layout of pages for one or more print sheet, the layout specifying a plurality of page locations on the print sheets.

Buis discloses a method and a document presentation system that includes the imposition plan defining a layout of pages for one or more print sheet, the layout specifying a plurality of page locations on the print sheets (col 8, line 8 – col 11, line 67).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have modified Shively to include the imposition plan defining a layout

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of pages for one or more print sheet, the layout specifying a plurality of page locations on the print sheets as taught by Buis. It would have been obvious to one of ordinary skill in the art at the time of the invention to have modified Shively by the teaching of Buis to determine which layout of the pages will fit into a logical page as taught by Buis in col 8, line 8 – col 11, line 67.

With regard to claim 6, Shively also discloses in which the computer executable instructions perform the step of associating multiple pagesets with the imposition plan (col 7, line 66 – col 8, line 61).

With regard to claim 7, Shively also discloses in which the computer executable instructions perform the step of associating multiple imposition plans based on multiple imposition description files with a pageset (col 7, line 66 – col 8, line 61).

With regard to claim 8, Shively also discloses which the computer executable instructions perform the step of associating multiple imposition plans based on multiple imposition description files with multiple pagesets (col 7, line 66 – col 8, line 61).

With regard to claim 9, Shively discloses a method for formatting a document having individual pages in preparation for printing the individual pages, on a media sheet (col 3, line 66 – col 4, line 1), the method comprising: using a software object to represent an imposition plan based on an imposition description file (col 7, line 66 – col 8, line 61); using another software object to represent an ordered set having multiple positions corresponding to the pages of the document (col 7, line 66 – col 8, line 61); associating the individual pages of the document to positions of the ordered set in a

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reader order defined by a user (col 4, lines 45-57); and associating the positions in the ordered set of pages to the imposition plan (col 7, line 66 – col 8, line 61).

Shively does not specifically teach the imposition plan defining a layout of pages for one or more print sheet, the layout specifying a plurality of page locations on the print sheets.

Buis discloses a method and a document presentation system that includes the imposition plan defining a layout of pages for one or more print sheet, the layout specifying a plurality of page locations on the print sheets (col 8, line 8 – col 11, line 67).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have modified Shively to include the imposition plan defining a layout of pages for one or more print sheet, the layout specifying a plurality of page locations on the print sheets as taught by Buis. It would have been obvious to one of ordinary skill in the art at the time of the invention to have modified Shively by the teaching of Buis to determine which layout of the pages will fit into a logical page as taught by Buis in col 8, line 8 – col 11, line 67.

With regard to claim 10, Shively discloses a computer system (system 10) including computer readable memory (memory in computer system 18 or any other suitable medium; col 4, lines 1-3); having an imposition description file stored therein (col 4, lines 1-7), said file including the pages of a document (col 4, lines 1-7), a reader order for the pages (col 4, lines 1-7) and an imposition for formatting the document in preparation for printing the individual pages on a media sheet (col 4, lines 45-48), and computer software residing in computer memory including: one software object

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representing an imposition plan based on the imposition description file (col 7, line 66 – col 8, line 61); one software object representing an ordered set having multiple positions (col 7, line 66 – col 8, line 61); computer executable instructions for assigning the individual pages of the document to the positions of the ordered set (col 4, lines 45-57); and computer executable instructions for associating the positions in the ordered set to the imposition plan (col 7, line 66 – col 8, line 61), the layout of the individual pages in the imposition plan being arranged for printing on the media sheet (col 5, lines 1-15).

Shively does not specifically teach the imposition plan defining a layout of pages for one or more print sheet, the layout specifying a plurality of page locations on the print sheets.

Buis discloses a method and a document presentation system that includes the imposition plan defining a layout of pages for one or more print sheet, the layout specifying a plurality of page locations on the print sheets (col 8, line 8 – col 11, line 67).

Therefore it would have been obvious to one of ordinary skill in the art at the time of the invention to have modified Shively to include the imposition plan defining a layout of pages for one or more print sheet, the layout specifying a plurality of page locations on the print sheets as taught by Buis. It would have been obvious to one of ordinary skill in the art at the time of the invention to have modified Shively by the teaching of Buis to determine which layout of the pages will fit into a logical page as taught by Buis in col 8, line 8 – col 11, line 67.

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Response to Arguments

2. Applicant's arguments with respect to claims 1-10 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Twyler M. Lamb whose telephone number is 703-308-8823. The examiner can normally be reached on M-Thurs 6:30-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Edward L. Coles can be reached on 703-305-4712. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Twyler M. Lamb
Examiner
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